

FLEXIBLE IMAGER AND DIGITAL IMAGING METHOD

Abstract of Disclosure

A flexible imager, for imaging a subject illuminated by incident radiation, includes a flexible substrate, a photosensor array disposed on the flexible substrate, and a scintillator. The scintillator is disposed so as to receive and absorb the incident radiation, is configured to convert the incident radiation to optical photons, and is optically coupled to the photosensor array. The photosensor array is configured to receive the optical photons and to generate an electrical signal corresponding to the optical photons. A digital imaging method for imaging subject includes conforming flexible digital imager to subject, the subject being positioned between flexible digital imager and a radiation source. The method further includes activating radiation source to expose the subject to radiation and collecting an image with the flexible digital imager.

Figures